

CLAIMS

1. (Currently Amended) A network device coupled to a first network, the network device comprising:

information identifying the network device on the first network, wherein the network device is located inside a firewall; and

a registration/query registration and query processor configured for providing the identifying information to a directory server to register the network device on a said directory server and for transmitting query messages regarding the first network to said directory server, wherein the directory server is coupled to a third network and is located outside the firewall.

2. (Original) The apparatus of claim 1, wherein the network device comprises one of a computer, personal digital assistant, pager, cellular telephone, handheld messaging device, facsimile machine, copier, printer, telephone, security camera, household appliance, vending machine, kiosk, or digital camera.

3. (Original) The apparatus of claim 1, wherein the network device comprises one of an inkjet printer, laser printer, wide format printer, or dot matrix printer.

4. (Original) The apparatus of claim 1, wherein the network device comprises an Internet protocol telephone.

5. (Original) The apparatus of claim 1, wherein the network device further comprises a network connection for coupling to the first network.

6. (Original) The apparatus of claim 1, wherein the first network comprises a local area network.

7. (Original) The apparatus of claim 1, wherein the first network comprises a plurality of interconnected networks.

8. (Original) The apparatus of claim 1, wherein the first network is coupled to a second network that comprises any of a wide area network, global network, public network, or the Internet.

9-10. (Cancelled).

11. (Original) The apparatus of claim 1, wherein the identifying information comprises an address.

12. (Original) The apparatus of claim 1, wherein the identifying information comprises an address of the network device on the first network.

13. (Original) The apparatus of claim 1, wherein the first network is coupled to a second network, and the identifying information comprises an address of the first network on the second network.

14. (Previously Presented) A network device coupled to a first network, the network device comprising:

information identifying the network device on the first network, wherein the network device is located inside a firewall; and

a query processor adapted to request information regarding the first network from a directory server, wherein the directory server is coupled to a third network and is located outside the firewall.

15. (Original) The apparatus of claim 14, wherein the network device comprises one of a computer, personal digital assistant, pager, cellular telephone, handheld messaging device, facsimile machine, copier, printer, telephone, security camera, household appliance, vending machine, kiosk, or digital camera.

16. (Original) The apparatus of claim 14, wherein the network device comprises one of an inkjet printer, laser printer, wide format printer, or dot matrix printer.

17. (Original) The apparatus of claim 14, wherein the network device comprises an Internet protocol telephone.

18. (Original) The apparatus of claim 14, wherein the network device further comprises a network connection for coupling to the first network.

19. (Original) The apparatus of claim 14, wherein the first network comprises a local area network.

20. (Original) The apparatus of claim 14, wherein the first network comprises a plurality of interconnected networks.

21. (Original) The apparatus of claim 14, wherein the first network is coupled to a second network that comprises any of a wide area network, global network, public network, or the Internet.

22-23. (Cancelled)

24. (Original) The apparatus of claim 14, wherein the information comprises an address.

25. (Original) The apparatus of claim 14, wherein the information comprises an address of a second network device on the first network.

26. (Original) The apparatus of claim 14, wherein the first network is coupled to a second network, and the information comprises an address of the first network on the second network.